



Environmental  
Quality

Facility Permit No: SLAS-35-05  
A-1 Septic Tank Cleaning  
Permit to Operate  
June 14, 2016  
Page 1 of 4

## North Carolina Department of Environmental Quality

Pat McCrory  
Governor

Donald R. van der Vaart  
Secretary

STATE OF NORTH CAROLINA  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
DIVISION OF WASTE MANAGEMENT  
SOLID WASTE SECTION

### PERMIT TO OPERATE A SEPTAGE LAND APPLICATION SITE

A-1 Septic Tank Cleaning  
Keith & Chrisseas Clemons  
3008 Dawnbrook Drive  
Raleigh, NC 27604

is hereby permitted to operate Septage Land Application Site with permit # **SLAS-35-05** located on US Hwy 401 in Franklin County at approximate position 35.99888° N latitude and -78.37694° E longitude. This site is permitted only for operations that are conducted in accordance with the representations made in the approved application, with all conditions attached to this permit, and with all of the provisions of 15A NCAC 13B.0800 -- Septage Management. Failure to operate as permitted may result in the Department suspending or revoking this permit, initiating action to enjoin the unpermitted operation, imposing administrative penalties, or invoking any other remedy as provided in Chapter 130A, Article 1, Part 2 of the North Carolina General Statutes.

This permit shall be reviewed annually to determine if soil test results and management activities are in compliance with the Septage Management Rules and the conditions of this permit. Modifications, where necessary, shall be made in accordance with rules in effect at the time of review.

Date Issued 6/14/2016

Martin A. Gallagher, Supervisor  
Composting & Land Application Branch,  
Solid Waste Section  
Division of Waste Management, NCDEQ

## CONDITIONS OF OPERATING PERMIT

1. This permit shall become void if the soils fail to adequately assimilate the septage and shall be rescinded unless the site is maintained and operated in a manner which will protect the assigned water quality standards of both surface and ground waters.
2. This site shall be operated and maintained in accordance with the nutrient management plan submitted by Keith & Chrisseas Clemons and approved by the Division of Waste Management. **The 5.1-acre site shall be divided into Field 1A (2.0 acres) and Field 1B (3.1 acres) and shall remain established in fescue. Field areas that drop below 80% coverage of fescue shall be reseeded at a rate of 20 bushels per acre by broadcast seed in the months of September – November and March – May.** The fescue shall be cut and baled as hay whenever it reaches approximately 12 inches in height or roughly every 4 to 5 weeks beginning in June. The mandatory 30-day waiting period between the last application of septage and the harvest of a crop shall be met by alternating septage applications, the waiting period and harvests among the two permitted fields. All discharges shall be at locations on the site consistent with the crop rotation in the approved plan.
3. This site shall be operated and maintained in accordance with the erosion and runoff control plan submitted by Keith & Chrisseas Clemons in such a manner as to prevent the migration of wastes off of the designated waste receiving site. Any site improvements noted in the plan must be installed within 30 days of plan approval. The installation of groundwater monitoring wells shall be required as deemed necessary by the Division.
4. The issuance of this permit does not preclude the Permittee from complying with any and all statutes, rules, regulations, or ordinances that may be imposed by other local, state, and federal government agencies which have jurisdiction. It is the responsibility of the Permittee to be in compliance with the Federal Regulations listed in the Code of Federal Regulations, 40 CFR Part 503.
5. This permit may be modified or reissued at any time to incorporate any conditions, limitations, and/or monitoring requirements the Division deems necessary to adequately protect the environment and public health.



6. **This site is only permitted for the land application of domestic septage and grease septage.** Domestic septage pH shall be raised to 12 or higher by alkali addition and, without the addition of additional alkali, shall remain at 12 or higher for 30 minutes prior to land application. Grease septage or grease septage mixed with domestic septage shall be raised to pH 12 or higher by alkali addition and, without the addition of additional alkali, shall remain at 12 or higher for 2 hours prior to land application. **Grease septage when applied over perennial vegetation shall be diluted per 15A NCAC 13B .0838(a)(15).**
7. **This site contains approximately 5.1 acres that are available for land application of septage.** The maximum annual application rate shall be 50,000 gallons per acre per year. At this application rate, a maximum annual volume of **255,000 gallons** may be applied to this site. The maximum annual application rate assumes equal septage distribution, on an annual basis, over the entire permitted area. **Application amounts to each disposal field shall not exceed the maximum annual application rate listed above or the monthly application rates listed in the approved nutrient management plan.**
8. An approved septage detention system with a minimum design capacity of 4,903 gallons, as per 15A NCAC 13B .0841(a) shall be available prior to operation of this site unless an approved disposal option is available for use during periods when land application is prohibited. The storage capacity may be adjusted if it is demonstrated during the operation of the site that this volume of storage is inappropriate.
9. Only the area designated on the attached site map shall be utilized for septage disposal. Each load of septage discharged at the site shall be distributed from a moving vehicle in such a manner that there is no standing water when the discharge is complete.
10. Septage shall not be applied during any precipitation event, or if there is standing water on the soil surface, if the soil surface is frozen, or if the soil surface is snow covered. The Permittee shall consider pending weather conditions when making the decision to land apply in order to prevent any discharge of septage outside of the permitted boundary.
11. Septage shall not be applied during periods of high soil moisture. Septage applications that will result in ruts greater than three inches in the soil surface are prohibited.
12. Any discharge of septage outside of the permitted boundaries via runoff, aerial drift, etc. is prohibited.



13. This permit shall become voidable unless the land application activities are carried out in accordance with the conditions of this permit and in the manner approved by this Division. No one other than the Permittee or an employee of the firm named in this permit shall discharge septage at this site without prior appropriate notification and written approval from the Division.
14. Prior to any transfer of this land, a notice shall be given to the new owner that gives full details of the materials applied or incorporated at this site. The Division shall be notified prior to site closure. This permit is non-transferable.
15. **This permit shall expire on April 1, 2018.** Modifications, when necessary, shall be made in accordance with the rules in effect at the time of renewal. **An application for permit renewal shall be submitted at least ninety (90) days prior to the permit renewal date.** A septage application log for the period of time this permit was valid shall be submitted along with an application for permit renewal or modification. The information required in the log is described in 15A NCAC 13B .0838(e)(1) of the NC Septage Management Rules and the Code of Federal Regulations, 40 CFR Part 503.17(b).
16. Records shall be kept in accordance with 40 CFR 503.17(b). These records shall be made available to a representative of the Division upon request.
17. Any duly authorized officer, employee, or representative of the Division may, upon presentation of credentials, enter and inspect any property, premises, or place on or related to the disposal site and facility at any reasonable time for the purpose of determining compliance with this permit; may inspect or copy any records that must be kept under the conditions of this permit; or may obtain samples of groundwater, surface water, or leachate.
18. Field separations in the nutrient management plan and all pertinent setbacks shall be clearly located on the site. Boundaries of the permitted septage land application fields shall be clearly marked on the ground. **For Field 1A along the southwest side, a 10 feet buffer into the grass is required where the dirt path borders the fence line. The small area to the west of Field 1A and the drainage swale is not useable for septage applications. There is a 5 feet setback between Field 1B and the woodline except for an approximate 100 feet section to the southeast end of Field 1B which has a 12 feet setback from the edge of the disposal field to the woodline.**

19. The areas that can be used for land application of septage shall be maintained to meet the minimum setback distances as described in 15A NCAC 13B .0837(d) such as 500 feet from any existing wells, residences, places of business, or places of public assembly. Also, septage shall not be disposed of within 50 feet of any property line, within 100 feet of any ditch or within 200 feet of any surface water unless specified otherwise. **A 50' setback shall be maintained between the disposal fields and any neighboring crop which shall be used for human consumption .**





Waste Management  
ENVIRONMENTAL QUALITY

PAT MCCRORY  
*Governor*

DONALD R. VAN DER VAART  
*Secretary*

MICHAEL SCOTT  
*Director*

June 14, 2016

Keith & Chrisseas Clemons  
A-1 Septic Tank Cleaning  
3008 Dawnbrook Drive  
Raleigh, NC 27604

**RE: SLAS permit renewal  
A-1 Septic Tank Cleaning  
SLAS-35-05  
US Hwy 401 in Franklin County**

Dear Mr. & Ms. Clemons:

The NC Division of Waste Management has reviewed your renewal application for a Septage Land Application Site permit in Franklin County. Your application has been approved and your permit, # **SLAS-35-05**, is enclosed. If you have any questions about your permit, we'll need the number in order to answer your questions.

Please read all of your permit conditions carefully. Your nutrient management and soil erosion and runoff control plans have been included in your permit's conditions. In particular, review Permit Condition 15, which states that you will need to submit septage application logs for your site in order to renew your permit. These logs need to cover the entire time your current permit is valid. For details on the information you should include, consult the NC Septage Management Rule 15A NCAC 13B .0838(e)(1) and the Federal register's 40CFR Part 503.17(b). This permit condition also states that this permit is valid until **April 1, 2018**. If you have any questions, please ask for assistance as rule violations could expose you to administrative penalties.

Please note that to land apply industrial or commercial septage at a permitted septage disposal site you must have **prior approval** from the NC Division of Waste Management. The waste must be sampled prior to being removed from the system. Generally, the Division will request that you have a waste analysis run on septage from each commercial or industrial septage generator before that type of septage is approved for land application.

Use of a land application site or septage detention or treatment facility that is not permitted may result in administrative penalties up to \$15,000 per violation in accordance with NC General Statute 130A-22.

If you have any questions, please contact me at (910) 433-3352 or Martin Gallagher at (919) 707-8280.

Sincerely,

Connie S. Wylie, Soil Scientist  
Division of Waste Management, NCDEQ

Enclosures

cc: files  
Charles Strickland, landowner  
Franklin County Health Department

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# APPLICATION FOR A PERMIT TO OPERATE A SEPTAGE LAND APPLICATION SITE

North Carolina Department of Environment and Natural Resources  
Division of Waste Management – Solid Waste Section  
1646 Mail Service Center, Raleigh, NC 27699-1646

RECEIVED

JAN - 5 2015

SOLID WASTE SECTION

## I. Site and Operator Information

1. Applicant Keith Clemons  
Address A-1 Septic Tank Cleaning  
3008 Dawnbrook Drive; Raleigh, NC 27604  
Phone 919-872-2202

2. Contact person for site operation (if different from applicant):  
Title or position \_\_\_\_\_ Phone \_\_\_\_\_  
Address \_\_\_\_\_  
RECEIVED  
JAN - 9 2015

3. Landowner Charles Strickland  
Address 4868 US 401 Highway  
Youngsville, NC 27596

DENR-FAYETTEVILLE REGIONAL OFFICE

4. Site Location: County Franklin State Road Number US Hwy 401  
Directions to site: Louisburg Road / US Highway 401 North – 1 mile north of Harris Crossroads

5. Indicate whether request is: new \_\_\_\_\_ renewal X modification \_\_\_\_\_

For a permit renewal or modification, provide the following information:

Existing site permit number: SLAS 35-05 permit expiration date: 5/22/15

6. Number of acres meeting the requirements of the N.C. Septage Management Rules: 5.1 acres.

7. Substances other than septage or grease trap pumpings previously disposed of on the site:  
(a) None X, or (b) Attach a list indicating other substances, the amounts discharged, and the dates of discharge.

8. Attach written, notarized landowner authorization to operate a septage disposal site signed by the landowner (if the permit applicant does not own the property). ***If a corporation owns the land use a corporate landowner authorization form. If limited liability company owns the land, use a limited liability company landowner authorization form.***

9. Attach site evaluation report, including aerial photograph and soil analysis with metals results, unless the Division prepared the report.

10. Attach a vicinity map (county road map showing site location).

(over)



## II. Site Management Information:

The following information shall be included with the application form:

1. Nutrient Management Plan
2. Soil Erosion and Runoff Control Plan
3. Alternative plan for disposal (detention facility permit number or wastewater treatment plant authorization): SDTF 35-05
4. Types of septage proposed to be discharged at the site (check all that apply):
  - (a) Domestic septage pumped from septic tanks X
  - (b) Grease trap pumpings X
  - (c) Portable toilet waste \_\_\_\_\_
  - (d) Commercial / Industrial septage \_\_\_\_\_
5. Proposed treatment method of each type of septage to be land applied (use additional paper to explain if necessary): Septage will be treated with hydrated lime to raise the pH to 12 for a half hour K.C. prior to land application. Grease septage will be raised to pH 12 for 2 hours prior to land application
6. Proposed method of applying septage to land, including septage distribution plan if required \* (use additional paper to explain if necessary): Septage will be evenly applied over the entire permitted site by a moving spreader truck with an 8-10 foot coverage area.
7. Demonstration from the appropriate state or federal government agency that the land application site complies with the Endangered Species Law \*\* or if any part of the site specified is not agricultural land (use additional paper to explain if necessary): The site is agricultural land and therefore is not considered potential habitat.

## III. Certification

I hereby certify that:

1. The information provided on this application is true, complete, and correct to the best of my knowledge.
2. I have read and understand the N.C. Septage Management Rules, and
3. I am aware of the potential consequences, including penalties and permit revocation, for failing to follow all applicable rules and the conditions of a Septage Land Application Site permit.

Chris Clemons  
Signature\*\*\*

Chris Clemons  
Print name

12/22/14  
Date  
Business Manager  
Title

Note: This application will not be reviewed until all parts of the application are complete.

\* Refer to Section .0837(e) of the N.C. Septage Management Rules.

\*\* Refer to Section .0837(g) of the N.C. Septage Management Rules.

\*\*\*Signature of company official required.



For Fields

## Limited Liability Company Landowner's Authorization to Operate a Septage Land Application Site

North Carolina Department of Environmental Quality  
Division of Waste Management - Solid Waste Section  
1646 Mail Service Center, Raleigh, NC 27699-1646

I hereby certify that the undersigned limited liability company, Alandale Inv. Group LLC, owns 263.37 acres of land located 490 US 401 Hwy. South, Youngsville, N.C. 27586 and identified by TP# 003553 (book and page of recorded deed or tax map parcel) and that the limited liability company agrees to allow A7 Septic (operator name) to use said land for application of septage for a period of 2 years (length of time), beginning 4-1-16 (give date), and that on behalf of the limited liability company, I have read the North Carolina Septage Management Rules\*, and Alandale Inv. Group LLC (name of limited liability company) understands and agrees to maintain the restrictions on land use after septage application ends\*\*. Alandale Inv. Group LLC (name of limited liability company) further understands that no septage may be land applied until the Division of Waste Management has issued a permit for a septage land application site. The above described property is owned solely by the undersigned limited liability company, or jointly with None (name all co-owners, or state none).

Date: 3-3-16

Alandale Inv. Group LLC  
Limited Liability Company (Print Name)

Charles E. Stickland  
Signature (Authorized Member or Manager)

CHARLES ESTICKLAND  
Print Name and Title

North Carolina

Franklin County

I, Pamela C Young, a Notary Public for said County and State do hereby certify that Charles E Stickland (name of authorized member or manager of limited liability company) personally appeared before me this day and, being first duly sworn, acknowledged that he (she) is a (the) member (member or manager) of Alandale Inv Group LLC, a limited liability company, and that by authority duly given and as the act of the limited liability company, the foregoing instrument was signed in its name by its authorized member (member or manager), and that the statements contained therein are true. Witness my hand and official seal, this the 9th day of March, 2016.

Pamela C Young  
Notary Public  
My Commission expires: 02-18-19



\*15A N.C. Admin. Code 13B Section .0800

\*\* As required by Rule .0843



**A-1 SEPTIC**  
**NUTRIENT MANAGEMENT PLAN FOR SEPTAGE APPLICATION**

**CHARLES STRICKLAND FARM, FRANKLIN COUNTY, NC**  
**ESTABLISHED FESCUE ON WEDOWEE SOILS**

**A. General Information.**

1. The septage application site is located on the Charles Strickland Farm on the west side of US Highway 401 about 1 mile north of Harris Crossroads in Franklin County, NC.
2. Field #1 contains 6.07 acres and is surrounded by forest on the north, east and south sides with 5.10 acres suitable for septage application outside of the 25-foot buffer and the soil area shallow to rock. The east side is bordered by an existing septage field used by B and D Septic Service.
3. The dominant soil series for this field is Wedowee.
4. Fields 1A and 1B will be used together in rotation. Field 1A contains 2.0 acres, field 1B contains approximately 3.1 acres for a total of 5.1 acres that is suitable for septage application. The dominant soil series for these fields is Wedowee.
5. Septage will not be applied when soil will allow a loaded truck to leave a depression in sod greater than 3 inches in depth.
6. Periodic sampling at least once per year of the septage will be conducted for waste analysis by the operator.
7. Septage storage shall be provided to account for the average volume of septage pumped per week, or an alternative plan, such as disposal at a waste treatment plant, should in place.

**B. Crops To Be Maintained.**

All fields are to be maintained in tall fescue. Bare spots with less than 80% coverage with fescue shall be reseeded at a rate of 20 bu/acre by broadcasting seed in the months of September, October, November, March, April and May.



**Strickland Farm Septage  
A-1 Septic Nutrient Management Plan**

**C. Nitrogen Needs For Crops Grown**

RYE = Realistic Yield Expectations

N App. Rate + Suggested N application rate based on RYE for soil type.

<u>Crop (cut for hay)</u>	<u>R.Y.E</u>	<u>N App. Rate</u>	<u>lbs N/acre</u>
Tall fescue	4.0 tons/acre	45 lbs N/dry ton	=180

To date, fields have not been grazed.

**D. Relative Application Rate For All Fields:**

<u>Month</u>	<u>Rate</u>
January	Low
February	Medium
March	High
April	High
May	Low
June	Low
July	Low
August	Low
September	Medium
October	Medium
November	Medium
December	Low

None = 0 gallons

Low = 5,000 gallons

Medium = 10,000 gallons

High 15, 000 gallons

NOTE: Cumulative application rate is not to exceed the permitted application rate.

**E. Application Method**

The preceding information is based on septage being evenly applied over the entire permitted site by a spreader truck with a 4 to 5 foot coverage area.

**F. Additional Fertility Requirements**

Lime, phosphorous and potassium must be added in accordance with the soil test results for the crops grown if not already done.

*Note: The phosphorus requirement can be reduced by taking into consideration the phosphorus from the septage analysis, if an analysis is available.*

The buffer areas should also be limed and fertilized to maintain production based on soil test results if not already done.

**G. Harvest of the Crops and Their Use:**

1. The fescue will be cut as hay and baled whenever it reaches approximately 12 inches in height, or roughly every 4 to 5 weeks beginning in June. Approximately three or four harvests can be expected.
2. A 30-day waiting period must be observed between the last application of septage and harvest.
3. Beginning about the first of April each year, septage will be applied strictly to Field 1A while field 1B is undisturbed for at least 30 days.
4. Beginning about the first of May each year, septage will be applied strictly to field 1B while fields 1A is undisturbed for 30 days. After 30 days field 1A will be harvested and septage application switched to field 1A.
5. This cycle will continue in the growing season so that septage is spread on each field for about 4 weeks before rotating to the next field that has at least 30 since last application of septage.
6. This rotation cycle will continue until the end of October. Septage can then be applied continually to these fields in the months of November through March as long the monthly application rates in Section D are not exceeded.
7. The bales will be sold to local farmers to feed their beef cows and horses.



## SOIL EROSION AND RUNOFF CONTROL PLAN

### A-1 Septage Site on Strickland Farm In Franklin County, NC

All areas of the proposed land application site, has existing vegetation with slopes generally less than 6 percent. One area near the south side of the site has slopes of about 9 percent. Provided the existing grass vegetation remains healthy with good coverage soil erosion should not be a problem on this site.

The existing vegetated buffer around the perimeter of the field should be sufficient to control runoff of waste from the fields. The closest property line to the proposed site is along the eastern side approximately 150 feet from the field through a young forested buffer area. This forest vegetation downslope of the field will keep the waste from migrating off of the fields onto adjacent property. See attached Figure 1.

Submitted by: *Kitt* Date: 11-12-13

Site Operator

Plan prepared by: John R. Davis, Jr. LSS Date: 11-7-2008

Address: Soil Horizons, Inc. PO Box 1063 Youngsville, NC 27596  
Phone: 919-818-5087

Signature and Seal :

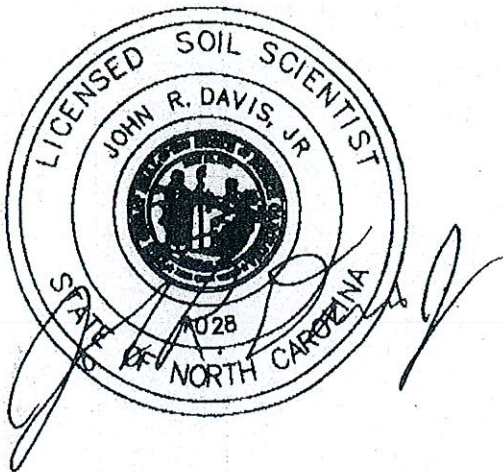


**Strickland Farm Septage  
A-1 Septic Nutrient Management Plan**

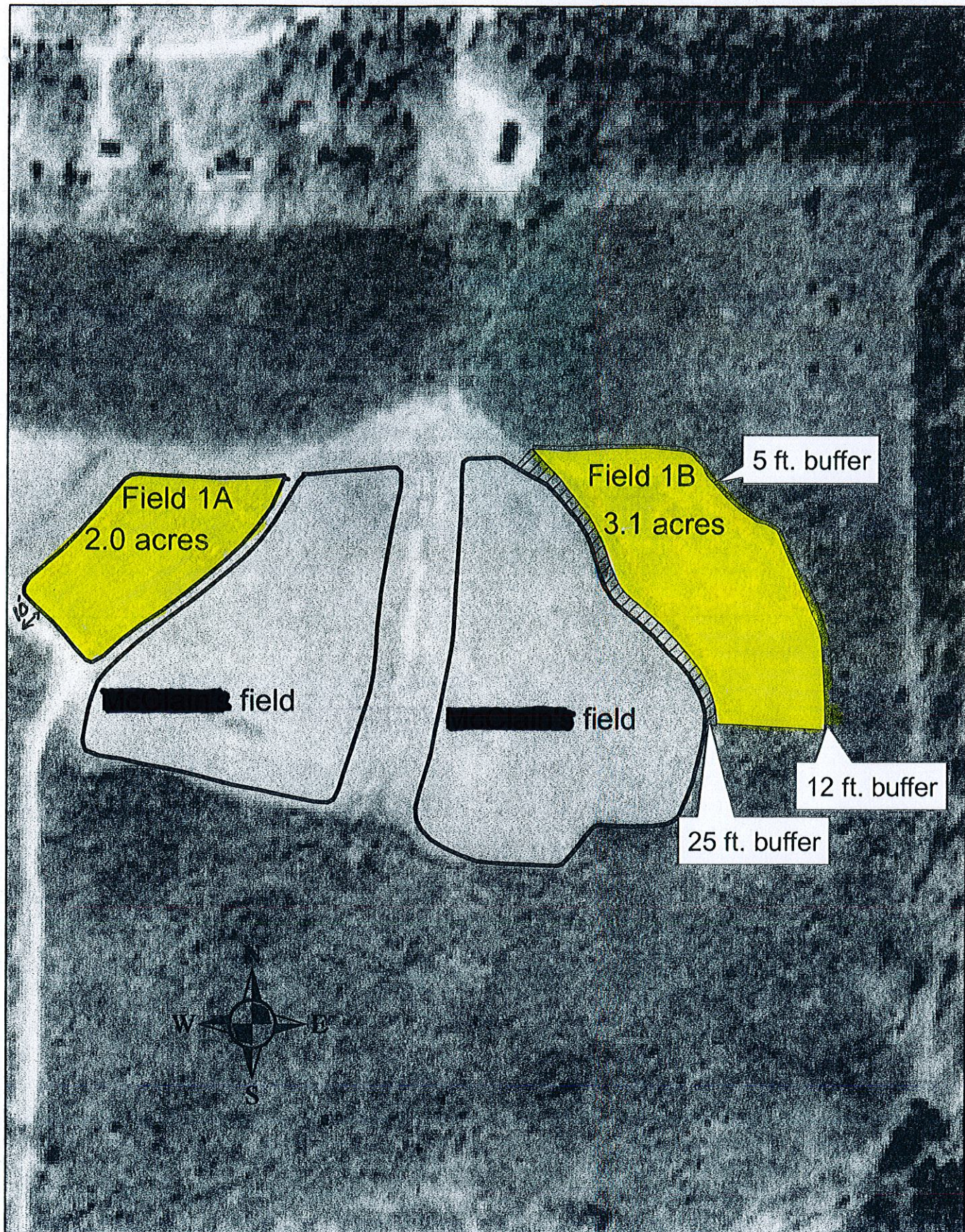
8. These fields will not be grazed.
9. See attached maps for field numbers, locations and sizes.

**Prepared by: John R. Davis, Jr. LSS**

**Date:** 5/2/00

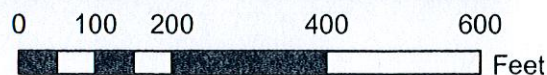






SLAS-35-05

A-1 Septic Tank Cleaning



35.99888° N latitude  
-78.37694° W longitude

Map created on 05-14-08 by Chester Cobb.

Revised 05-27-08





# Franklin County

Formed in 1779 from Bute, Franklin County was named in honor of Benjamin Franklin, noted American statesman, author and inventor. This north central county's seat of government is located at Louisburg.

The Tar River runs directly through Louisburg, providing recreational waters

